

FIGURE 2

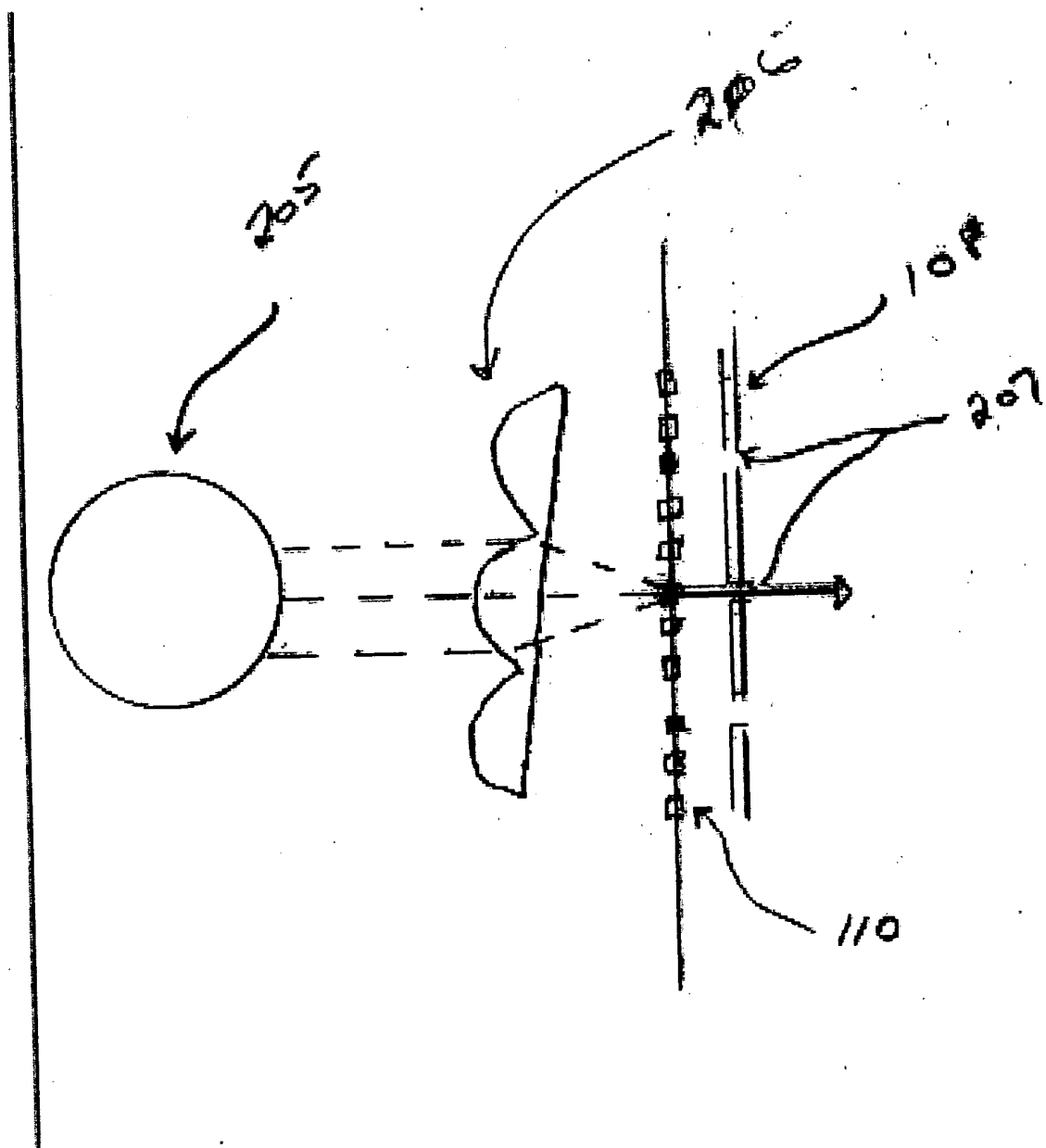


FIGURE 3

Three images before Rasterizing onto Disk  
Ficm.

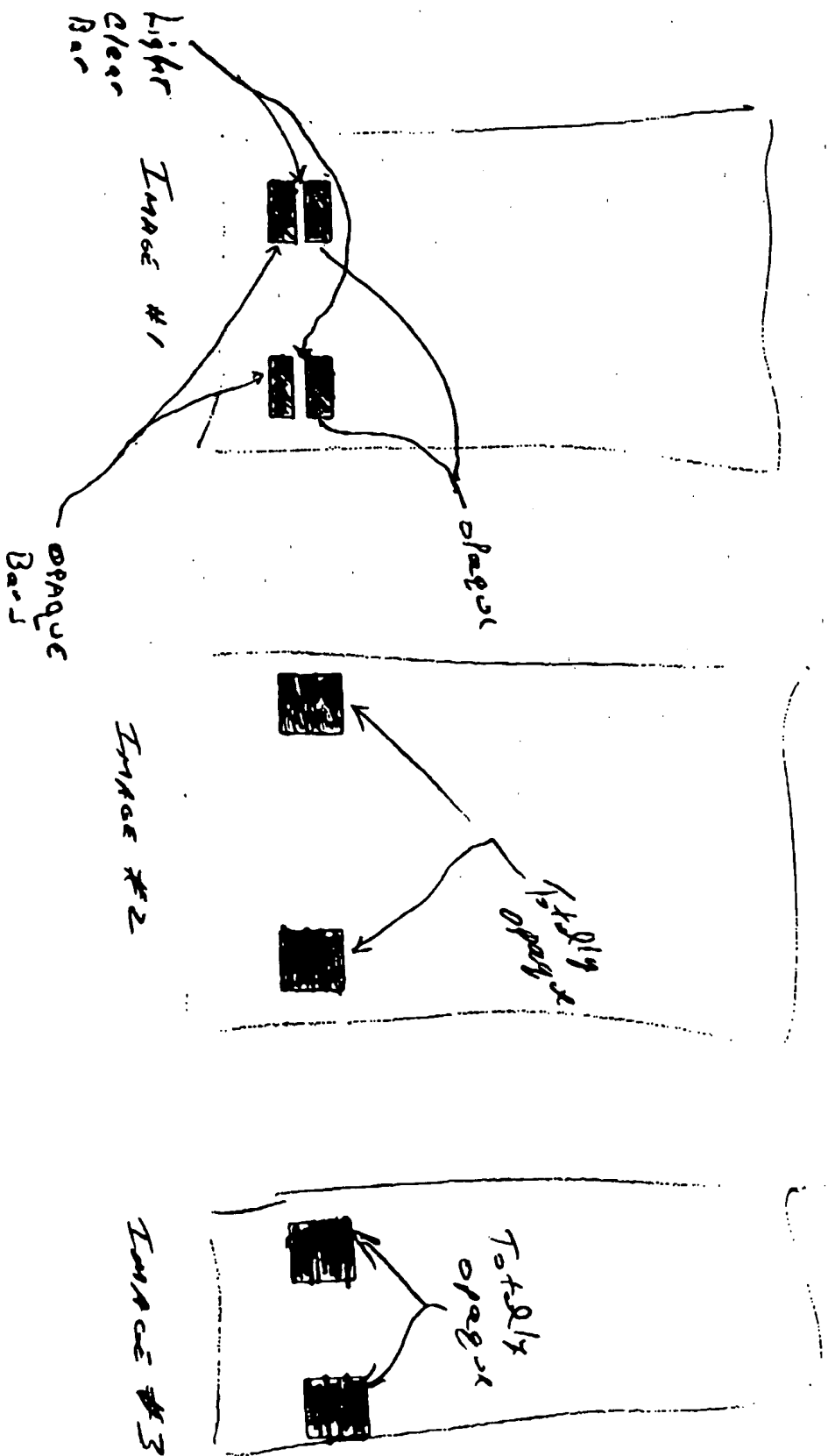
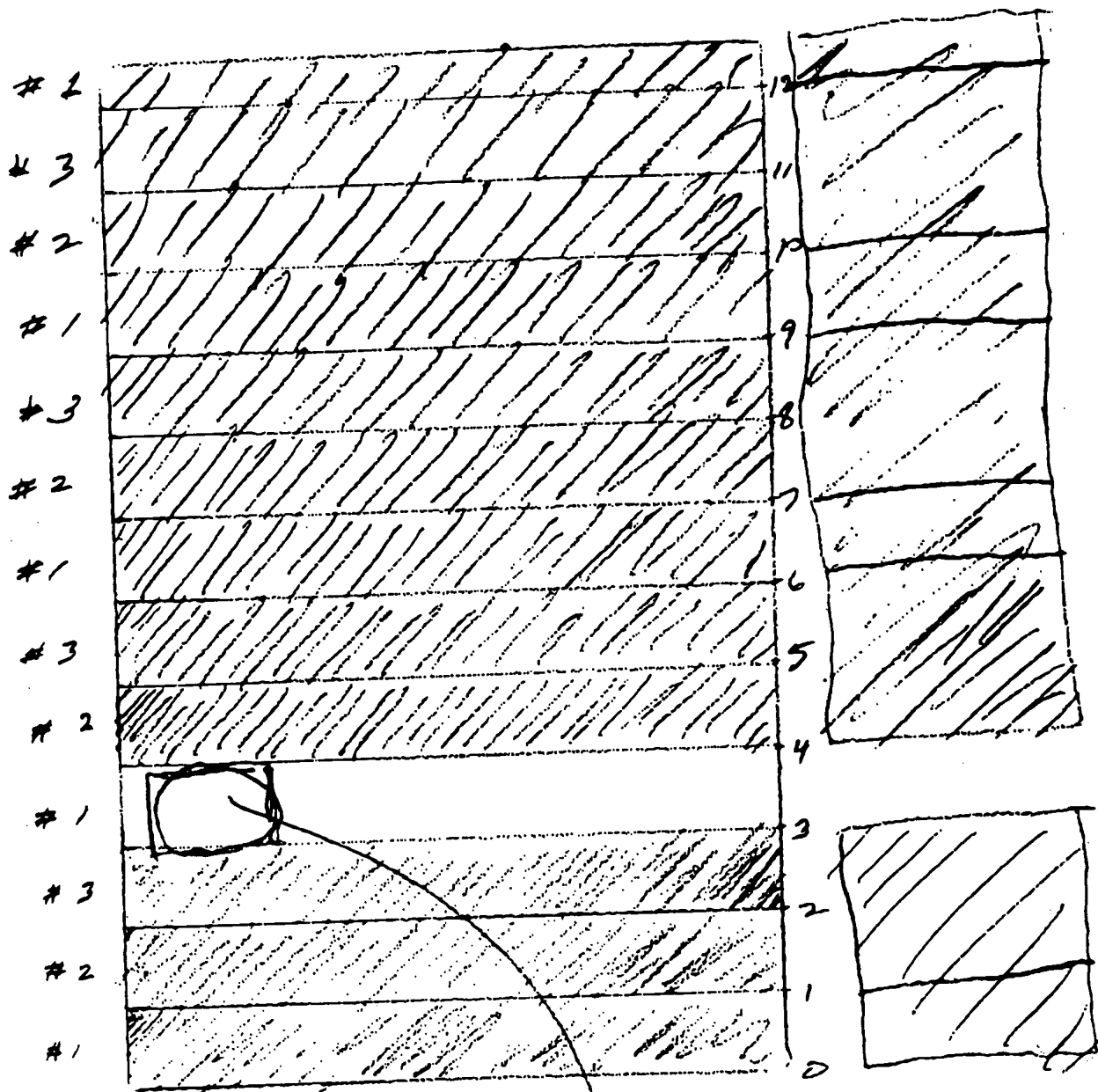


FIG 4





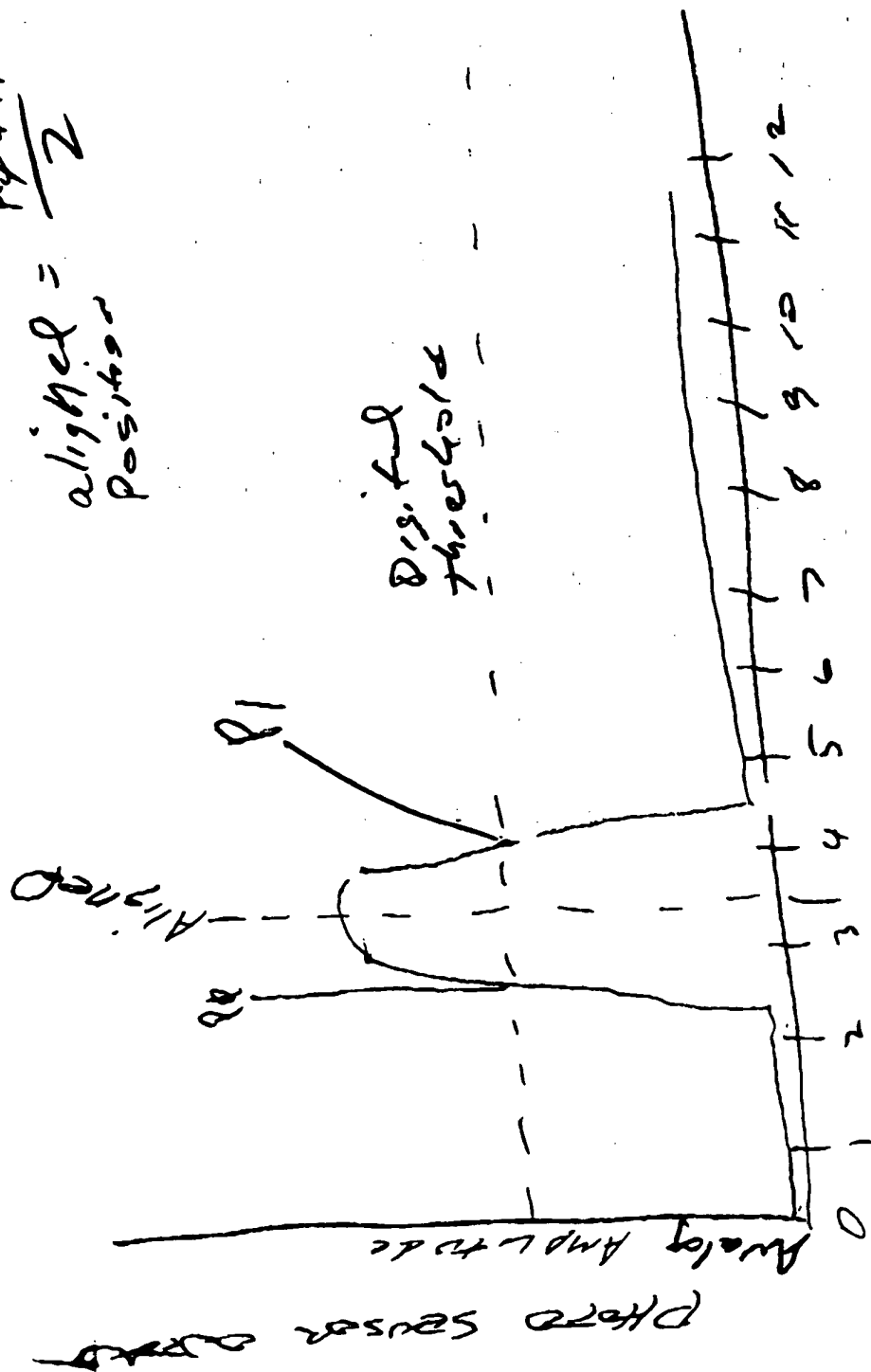
OPAQUE -   
 Transparent - 

Photo sensor

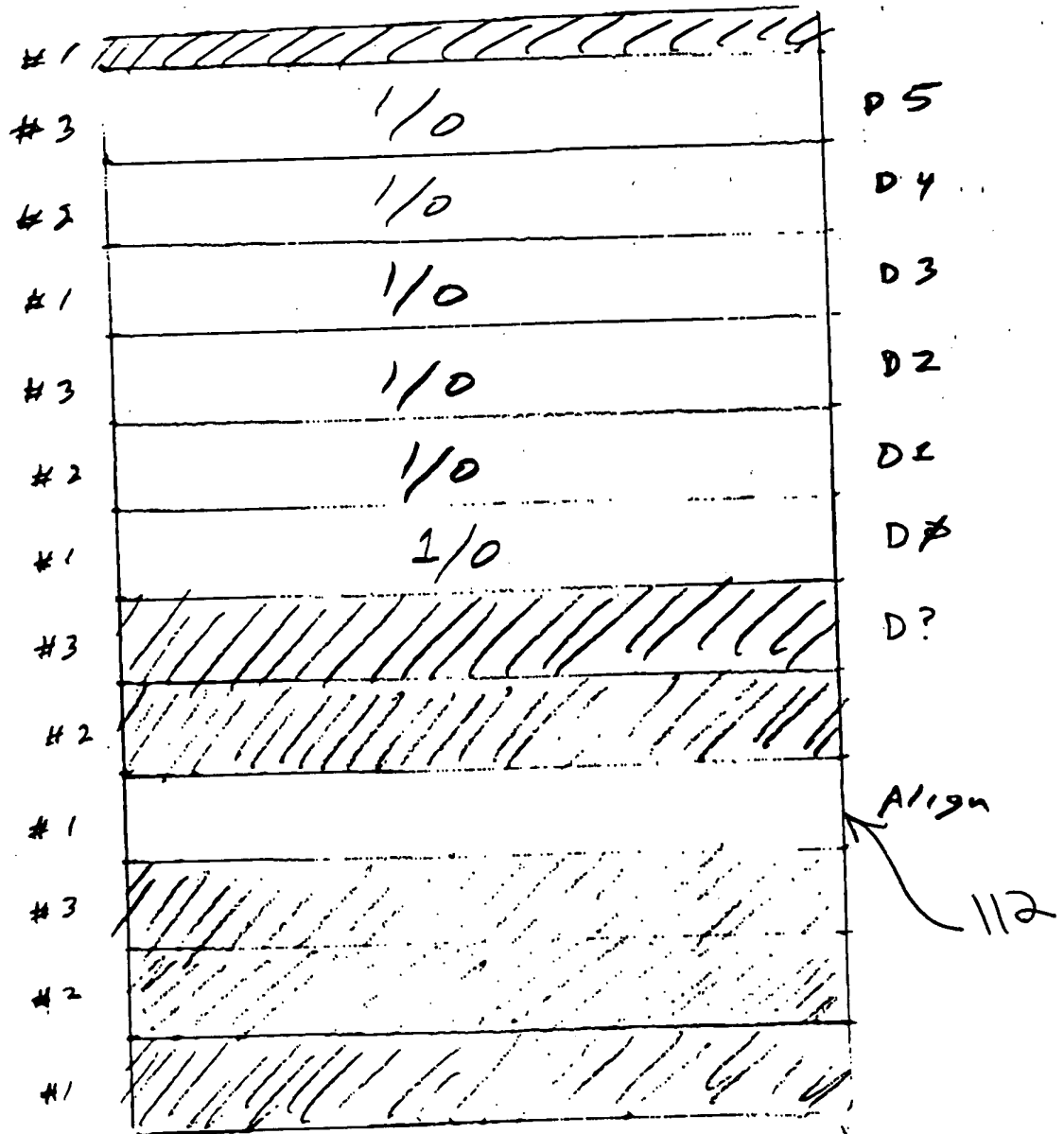
FIG. 5

$$\text{aligned position} = \frac{p_0 + p_1}{2}$$



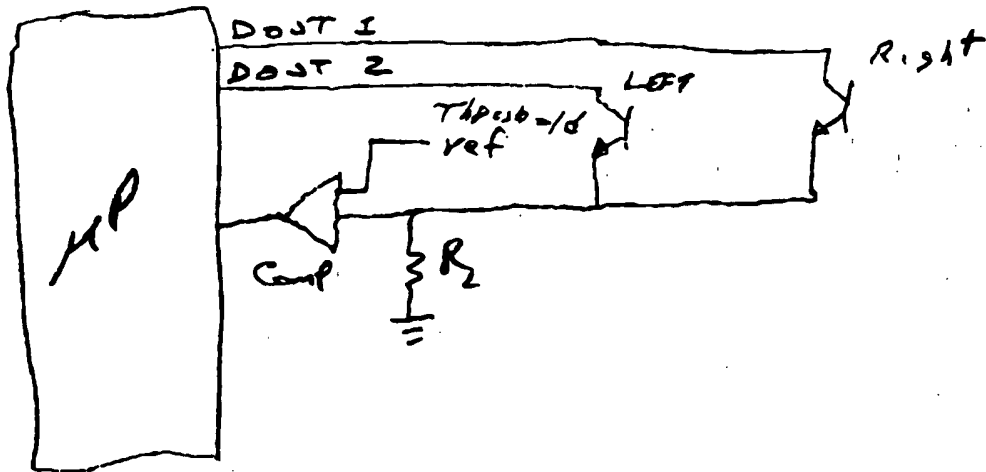
MASK POSITION OVER IMAGE  
MASK POSITION

FIGURE 6



Alignment Target  
with DATA.

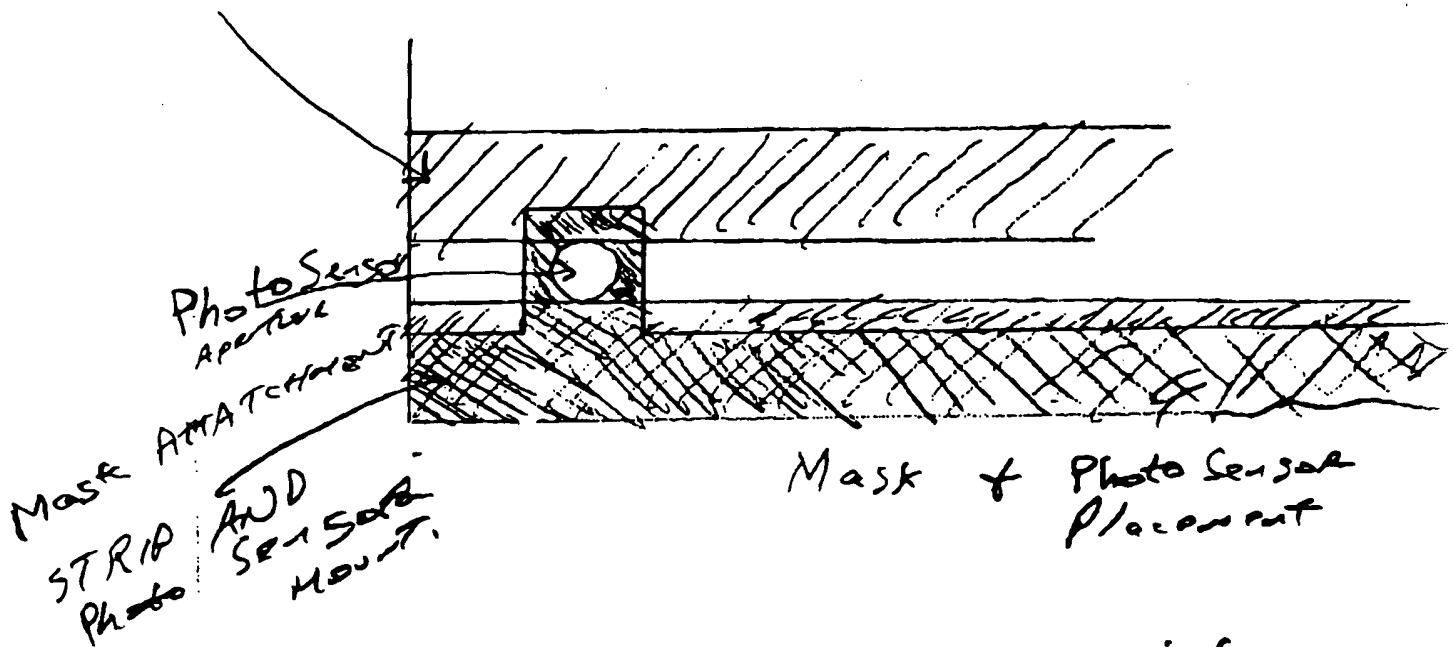
FIG 7



OPTO SENSORS

FIG. 8

Masked AREA



SENSOR MOUNTING & ELECTRICAL CIRCUIT

FIG 9



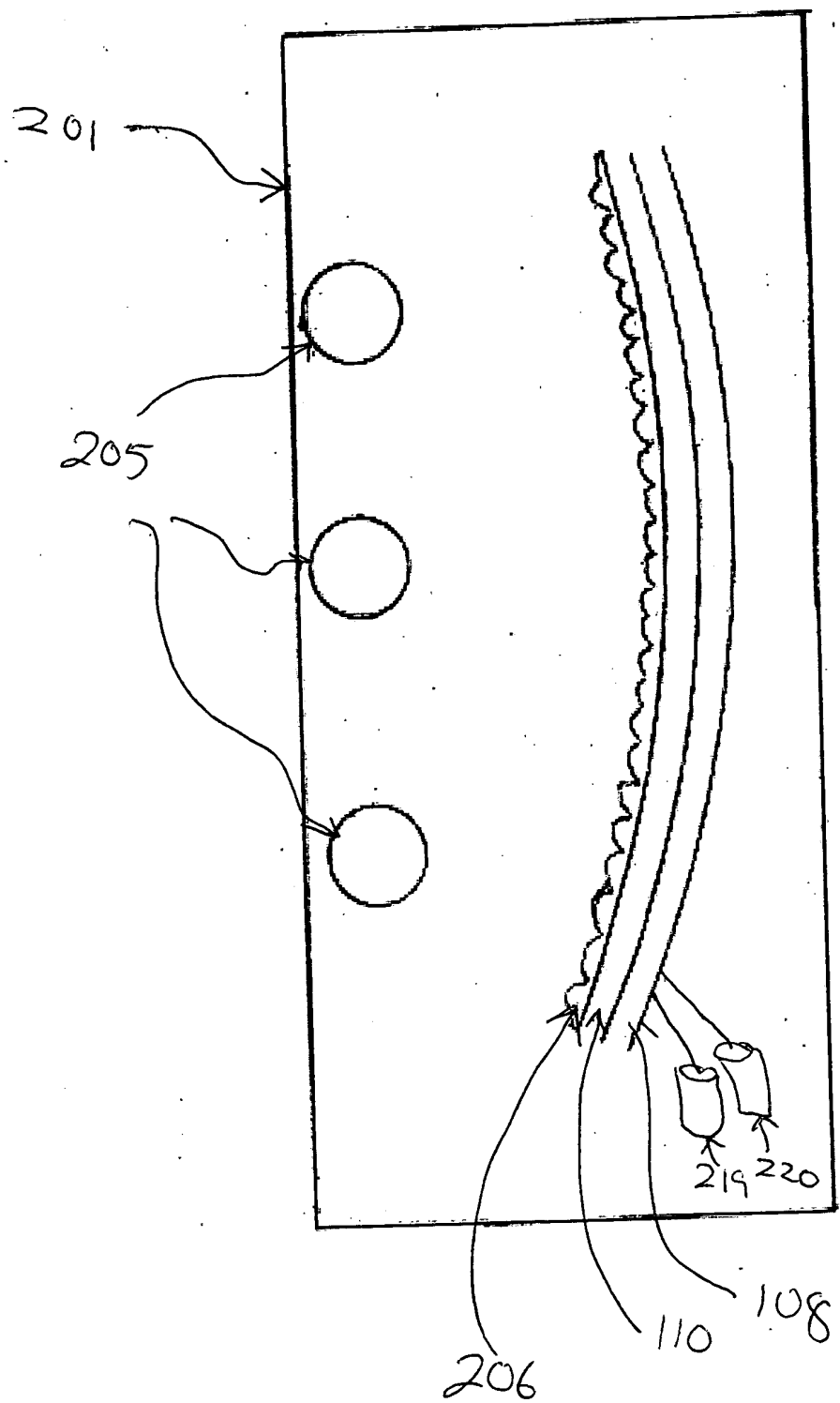


FIGURE 10